

Partnership

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Certifications and Patents



Cleaning and sterilizing method of waste plastic PETs and PET flakes

Cleaning method of waste plastic PETs and PET flakes

ISO 45001
ISO 9001

Certificate of Recycled Materials for Utensils, Containers and Packages (Ministry of Food and Drug Safety)

GRS



ISCC PLUS Certificate



Pass U.S.F.D.A. Regulation 21 CFR 177.1630
California Proposition 65
(Intertek Testing Services HK Ltd.)



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The future is here

H2 CORPORATION

“ We make the ”
green future
of the Earth



H2 CORPORATION

Profile

Process

Product

Product Introduction

r-chip for long fiber

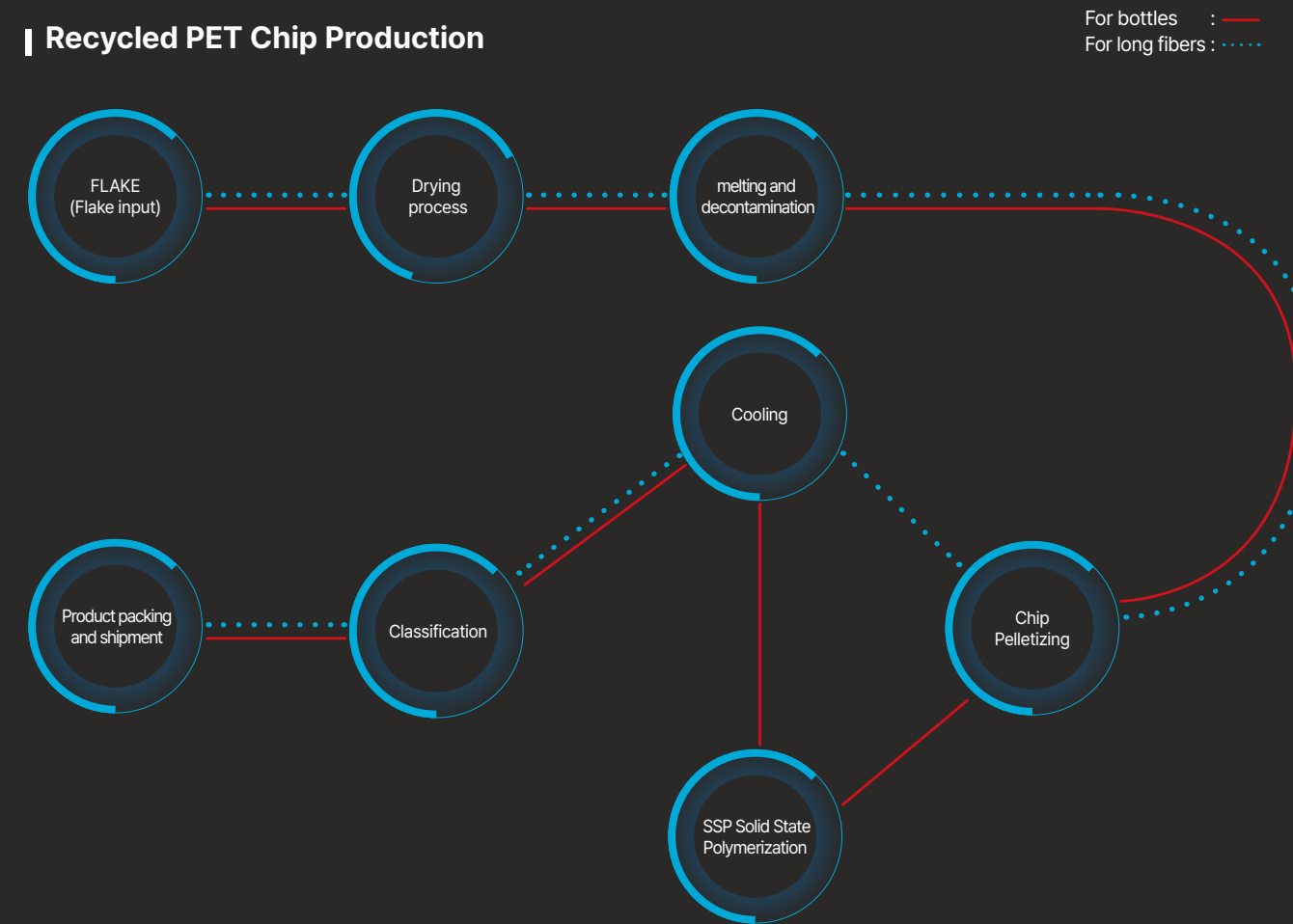


r-chip for B to B



Process introduction

Recycled PET Chip Production



Bottle (100% r-chip) Test Report (Test method: Standards and Specifications for Utensils, Containers and Packages)

Test items	units	reference values	results
Lead (Pb), residue specification	mg/kg	100 or less (sum)	Not detected
Cadmium (Cd), residue specification	mg/kg	100 or less (sum)	Not detected
Mercury (Hg), residue specification	mg/kg	100 or less (sum)	Not detected
Chrome VI (Cr 6+), residue specification	mg/kg	100 or less (sum)	Not detected
Lead (Pb), migrant specification	mg/L	1 or less	Not detected
Consumption of potassium permanganate, migrant specification	mg/L	10 or less	1
Overall migration into 4% acetic acid, migrant specification	mg/L	30 or less	6
Overall migration into water, migrant specification	mg/L	30 or less	2
Overall migration into n-heptane, migrant specification	mg/L	30 or less	9
Antimony, migrant specification	mg/L	0.04 or less	Not detected
Germanium, migrant specification	mg/L	0.1 or less	Not detected
Terephthalic acid, migrant specification, 4% acetic acid	mg/L	7.5 or less	Not detected

Test items	units	reference values	results
Terephthalic acid, migrant specification, water	mg/L	7.5 or less	Not detected
Terephthalic acid, migrant specification, n-heptane	mg/L	7.5 or less	Not detected
Isophthalic acid, migrant specification, 4% acetic acid	mg/L	5 or less	Not detected
Isophthalic acid, migrant specification, water	mg/L	5 or less	Not detected
Isophthalic acid, migrant specification, n-heptane	mg/L	5 or less	Not detected
Acetaldehyde, migrant specification, 4% acetic acid	mg/L	6 or less	Not detected
Acetaldehyde, migrant specification, water	mg/L	6 or less	Not detected
Acetaldehyde, migrant specification, n-heptane	mg/L	6 or less	Not detected
Formaldehyde, migrant specification	mg/L	4 or less*	Not detected
Bisphenol A (including phenol, bisphenol A, and p-tert-butylphenol), migrant specification, 4% acetic acid	mg/L	2.5 or less (however, 0.6 for bisphenol A)**	Not detected (bisphenol A: not detected)
Bisphenol A (including phenol, bisphenol A, and p-tert-butylphenol), migrant specification, 4% water	mg/L	2.5 or less (however, 0.6 for bisphenol A)**	Not detected (bisphenol A: not detected)
Bisphenol A (including phenol, bisphenol A, and p-tert-butylphenol), migrant specification, n-heptane	mg/L	2.5 or less (however, 0.6 for bisphenol A)**	Not detected (bisphenol A: not detected)

Specifications

Specifications of r-chip for B to B

R200-BR-076



PROPERTY	SPECIFICATION	METHOD
INTRINSIC VISCOSITY	0.76±0.03 dl/gr	UBBELOHDE VISCOMETER
Color - L	MIN 66	Colormeter
Color - a	MIN -2	
Color - b	MAX -3	
Acetaldehyde(A.A)	MAX 1 PPM	GC
CHIP SIZE(100 pellet)	1.5±0.5 gr	Spherical Type
Moisture	MAX 0.2 %	

COMPOUND
 RECYCLED PET (POLYETHYLENE TEREPHTHALATE)
 100% Recycled Post-Consumer PET

PRODUCER
 H2 CORP. MADE IN KOREA

R200-BR-080



PROPERTY	SPECIFICATION	METHOD
INTRINSIC VISCOSITY	0.80±0.03 dl/gr	UBBELOHDE VISCOMETER
Color - L	MIN 66	Colormeter
Color - a	MAX 0.5	
Color - b	MAX 3	
Acetaldehyde(A.A)	MAX 1 PPM	GC
CHIP SIZE(100 pellet)	1.5±0.5 gr	Spherical Type
Moisture	MAX 0.2 %	

COMPOUND
 RECYCLED PET (POLYETHYLENE TEREPHTHALATE)
 100% Recycled Post-Consumer PET

PRODUCER
 H2 CORP. MADE IN KOREA

Specifications of r-chip for long fibers

R100-SD-001



PROPERTY	SPECIFICATION	METHOD
INTRINSIC VISCOSITY	0.65±0.03 dl/gr	UBBELOHDE VISCOMETER
Color - L	78±4.0	Colormeter
Color - a	-2±1.5	
Color - b	MAX 5±2	
TiO ₂	0.3 %	GC
CHIP SIZE	35±5	Spherical Type
FILTER	20 μm	Candle Filter

COMPOUND
 RECYCLED PET (POLYETHYLENE TEREPHTHALATE)
 100% Recycled Post-Consumer PET

PRODUCER
 H2 CORP. MADE IN KOREA